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MINNEAPOLIS, MINNESOTA 55402-3813  
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DT07 Rec'd PCT/PTO 28 JUN 2004

June 24, 2004

Our File No.: 20020065.ORI



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re App : James Oliver Dolly et al  
S.N. : 10/049,967 : Art Unit unknown  
Filed : February 18, 2002  
For : ISOFORMS OF SNARE MOLECULES AND THE  
USES THEREOF IN MODULATION OF  
CELLULAR EXOCYTOSIS

TRANSMITTAL LETTER

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is a Response, a substitute computer readable form (CRF), and a paper copy of the substitute Sequence Listing in reply to the Notification of Defective Response bearing a date mailed of May 28, 2004 (copy attached).

The Commissioner is authorized to charge any fees listed in 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265.

Respectfully submitted,

NIKOLAI & MERSEREAU, P.A.

C. G. Mersereau  
Registration No. 26205  
Attorneys for Applicant(s)  
820 International Centre  
900 Second Avenue South  
Minneapolis, MN 55402  
(612) 339-7461



# CERTIFICATE OF MAILING

I hereby certify that the foregoing Response, a copy of the Notification of Defective Response, a computer readable form (CRF), a paper copy of the substitute Raw Sequence Listing, and a Transmittal Letter in connection with application Serial No. 10/049,967 of inventors, James O. Dolly et al, filed February 18, 2002, for "ISOFORMS OF SNARE MOLECULES AND THE USES THEREOF IN MODULATION OF CELLULAR EXOCYTOSIS" is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on June 24, 2004.

Barbara L. Davis

Barbara L. Davis  
Secretary to C. G. Mersereau

Date of Signature: June 24, 2004



## UNITED STATES PATENT AND TRADEMARK OFFICE

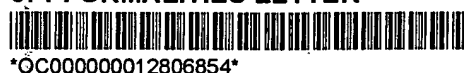
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/049,967	FIRST NAMED APPLICANT James Oliver Dolly	ATTY. DOCKET NO. 20020065.ORI
---	---	----------------------------------

C G Mersereau  
Nikolai & Mersereau  
900 Second Avenue South  
Suite 820 International Centre  
Minneapolis, MN 55402

INTERNATIONAL APPLICATION NO. PCT/GB00/03196	
IA. FILING DATE 08/18/2000	PRIORITY DATE

CONFIRMATION NO. 6222  
371 FORMALITIES LETTER



\*OC000000012806854\*

Date Mailed: 05/28/2004

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Copy of the International Application filed on 02/18/2002
- Copy of the International Search Report filed on 02/18/2002
- Copy of IPE Report filed on 02/18/2002
- Preliminary Amendments filed on 02/18/2002
- Information Disclosure Statements filed on 05/21/2002
- Biochemical Sequence Diskette filed on 02/23/2004
- Oath or Declaration filed on 02/23/2004
- Biochemical Sequence Listing filed on 02/23/2004
- Copy of references cited in ISR filed on 02/18/2002
- U.S. Basic National Fees filed on 02/18/2002

Applicant's response filed 02/23/2004 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 04/25/2002 have not been completed.

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
  - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of Annex C of the Administrative Instructions and 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
  - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
  - APPLICANT MUST PROVIDE:
    - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
    - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an

**BEST AVAILABLE COPY**

amendment directing its entry into the specification.

- A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

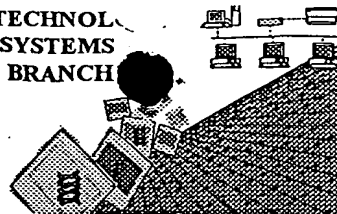
*A copy of this notice **MUST** be returned with the response.*

VONDA M WALLACE

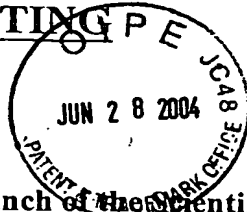
Telephone: (703) 305-3736

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/049,967	PCT/GB00/03196	20020065.ORI



# RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/049,967  
Source: PCT10  
Date Processed by STIC: 03/01/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebs/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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PCT10

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/049,967

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length  
Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)  
Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)  
Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9      Use of n's or Xaa's  
    (NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ✓ Use of <220>  
Sequence(s) 20-28 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

Rec'd PCT/PTO 28 JUN 2004

#12

PATENT APPLICATION

Our File No.: 20020065.ORI



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re : James Oliver Dolly et al : June 24, 2004  
S.N. : 10/049,967 : Art Unit unknown  
Filed : February 18, 2002  
For : ISOFORMS OF SNARE MOLECULES AND THE  
USES THEREOF IN MODULATION OF  
CELLULAR EXOCYTOSIS

-----  
RESPONSE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is submitted in response to a Notification of Defective Response dated May 28, 2004 and carrying a statutory period for response of one month so that a reply is due by June 28, 2004.

The Notification of Defective Response had attached a Raw Sequence Listing Error Report which, in turn, required an explanation of the source of genetic material in sequences 20-28 and included a marked-up copy of the Raw Sequence Listing previously submitted. A copy of that Notice with attachments is submitted with this response.

A substitute computer readable form (CRF), a copy of a substitute Sequence Listing, together with a paper copy of the

substitute Sequence Listing, are also being submitted with this paper.

Entry of the substitute Raw Sequence Listing is respectfully requested.

Applicants believe that the information supplied in sequences 20-28 is well supported throughout the original specification and the substitute Raw Sequence Listing being submitted includes no new matter. The computer readable form (CRF) submitted herewith is identical to the paper copy submitted.

It is believed that the Raw Sequence Listing now complies with all requirements and the Response to Notification of Missing Requirements is now complete.

Respectfully submitted,

NIKOLAI & MERSEREAU, P.A.

A handwritten signature in black ink, appearing to read "C. G. Mersereau". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

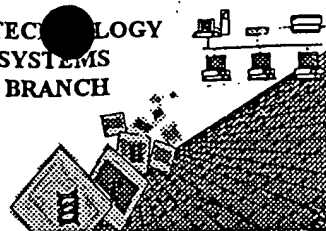
C. G. Mersereau, #26,205  
Attorney for Applicants  
Registration No. 26,205  
900 Second Avenue South  
Suite 820, International Centre  
Minneapolis, MN 55402  
Telephone: 612-339-7461



*Order*

## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/049967 A

Source:

RET

Date Processed by STIC:

7/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/efb/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

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delete 4 ~~SUBSTITUTE~~ delete  
~~RAW SEQUENCE LISTING~~ delete  
~~PATENT APPLICATION: US/10/049,967~~ delete  
DATE: 06/23/2004 delete

Input Set : A:\P23294pc.app  
Output Set: N:\CRF3\03012002\J049967.raw

*Sequence Listing → This is the only heading necessary for first page.*

3 <110> APPLICANT: Imperial College Innovations Limited  
5 <120> TITLE OF INVENTION: Methods of treatment  
7 <130> FILE REFERENCE: ICOY/P23294PC  
9 <140> CURRENT APPLICATION NUMBER: US/10/049,967  
10 <141> CURRENT FILING DATE: 2002-02-18  
12 <160> NUMBER OF SEQ ID NOS: 32  
14 <170> SOFTWARE: PatentIn Ver. 2.0  
16 <210> SEQ ID NO: 1  
17 <211> LENGTH: 25  
18 <212> TYPE: DNA  
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21 <220>  
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28 <211> LENGTH: 30  
29 <212> TYPE: DNA  
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38 <210> SEQ ID NO: 3  
39 <211> LENGTH: 29  
40 <212> TYPE: DNA  
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49 <210> SEQ ID NO: 4  
50 <211> LENGTH: 30  
51 <212> TYPE: DNA  
52 <213> ORGANISM: Artificial Sequence  
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60 <210> SEQ ID NO: 5  
61 <211> LENGTH: 32  
62 <212> TYPE: DNA  
63 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/049,967

DATE: 06/23/2004

Input Set : A:\P23294pc.app  
Output Set: N:\CRF3\03012002\J049967.raw

delete

65 <220>  
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77 <223> OTHER INFORMATION: Description of Artificial Sequence: pcr primer  
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80 gatgaagcca accaaactgc aacaaagatg ctggg 35  
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83 <211> LENGTH: 34  
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94 <211> LENGTH: 27  
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96 <213> ORGANISM: Artificial Sequence  
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99 <223> OTHER INFORMATION: Description of Artificial Sequence: pcr primer  
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104 <210> SEQ ID NO: 9  
105 <211> LENGTH: 35  
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Output Set: N:\CRF3\03012002\J049967.raw

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139 <212> TYPE: DNA  
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159 <210> SEQ ID NO: 14  
160 <211> LENGTH: 42  
161 <212> TYPE: DNA  
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165 <223> OTHER INFORMATION: Description of Artificial Sequence: pcr primer  
167 <400> SEQUENCE: 14  
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170 <210> SEQ ID NO: 15  
171 <211> LENGTH: 42  
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176 <223> OTHER INFORMATION: Description of Artificial Sequence: pcr primer  
178 <400> SEQUENCE: 15  
179 accactccc agcatcttt atgcagttg gttggttca tc 42  
181 <210> SEQ ID NO: 16  
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187 <223> OTHER INFORMATION: Description of Artificial Sequence: pcr primer  
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*delete*

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Output Set: N:\CRF3\03012002\J049967.raw

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205 <212> TYPE: DNA  
206 <213> ORGANISM: Artificial Sequence  
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209 <223> OTHER INFORMATION: Description of Artificial Sequence: pcr primer  
211 <400> SEQUENCE: 18  
212 gccaaccaac gtgcaacaaa gatgtaggga agtggg 36  
214 <210> SEQ ID NO: 19  
215 <211> LENGTH: 36  
216 <212> TYPE: DNA  
217 <213> ORGANISM: Artificial Sequence  
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222 <400> SEQUENCE: 19  
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225 <210> SEQ ID NO: 20  
226 <211> LENGTH: 10  
227 <212> TYPE: PRT  
228 <213> ORGANISM: Artificial Sequence  
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231 <223> OTHER INFORMATION: Description of Artificial Sequence: SNAP-25 C-terminus related  
peptide  
233 <400> SEQUENCE: 20  
234 Gln Arg Ala Thr Lys Met Leu Gly Ser Gly  
235 1 5 10  
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257 <223> OTHER INFORMATION: Description of Artificial Sequence: SNAP-25 C-terminus related  
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266 <212> TYPE: PRT  
267 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/049,967

DATE: 06/23/2004

Input Set : A:\P23294pc.app  
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269 <220> .  
270 <223> OTHER INFORMATION: Description of Artificial Sequence: SNAP-25 C-terminus related peptide  
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304 <211> LENGTH: 5  
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316 <210> SEQ ID NO: 27  
317 <211> LENGTH: 5  
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330 <211> LENGTH: 4  
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335 <223> OTHER INFORMATION: Description of Artificial Sequence: SNAP-25 C-terminus related peptide  
337 <400> SEQUENCE: 28  
338 Gln Thr Gln Thr

VERIFICATION SUMMARY

DATE: 06/23/2004

PATENT APPLICATION: US/10/049,967

Input Set : A:\P23294pc.app

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:9 M:270 C: Current Application Number differs, Replaced Application Number :10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/049,967	James Oliver Dolly	20020065.ORI

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/GB00/03196

IA. FILING DATE	PRIORITY DATE
-----------------	---------------

08/18/2000

C G Mersereau  
Nikolai & Mersereau  
900 Second Avenue South  
Suite 820 International Centre  
Minneapolis, MN 55402

CONFIRMATION NO. 6222

371 WITHDRAWAL NOTICE



\*OC000000013510254\*

Date Mailed: 08/11/2004

## WITHDRAWAL OF PREVIOUSLY SENT NOTICE

VONDA M WALLACE

Telephone: (703) 305-3736

PART 3 - OFFICE COPY





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www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/049,967	James Oliver Dolly	20020067.ORI

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Suite 820 International Centre  
Minneapolis, MN 55402

INTERNATIONAL APPLICATION NO.	
PCT/GB00/03196	
LA. FILING DATE	PRIORITY DATE
08/18/2000	

CONFIRMATION NO. 6222  
371 FORMALITIES LETTER



\*OC000000013357893\*

Date Mailed: 08/02/2004

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Copy of the International Application filed on 02/18/2002
- Copy of the International Search Report filed on 02/18/2002
- Copy of IPE Report filed on 02/18/2002
- Preliminary Amendments filed on 02/18/2002
- Information Disclosure Statements filed on 05/21/2002
- Biochemical Sequence Diskette filed on 06/28/2004
- Oath or Declaration filed on 02/23/2004
- Biochemical Sequence Listing filed on 06/28/2004
- Copy of references cited in ISR filed on 02/18/2002
- U.S. Basic National Fees filed on 02/18/2002

Applicant's response filed 06/28/2004 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 04/25/2002 have not been completed.

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
  - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of Annex C of the Administrative Instructions and 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
  - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
  - APPLICANT MUST PROVIDE:
    - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
    - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an

amendment directing its entry into the specification.

- A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

VONDA M WALLACE

Telephone: (703) 305-3736

**PART 2 - OFFICE COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/049,967	PCT/GB00/03196	20020065.ORI